

JUL 17 2001

K011853

Bio-Rad Laboratories

Page 1 of 3

Premarket Notification Section 510(k) for Abbott Tumor Marker – MCC (Lyophilized)

Summary of Safety and Effectiveness

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Summary of Safety and Effectiveness  
Abbott Tumor Marker – MCC (Lyophilized)

1.0 **Submitter**

Bio-Rad Laboratories  
9500 Jeronimo Road,  
Irvine, California 92618-2017  
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**Contact Person**

Yvette Lloyd  
Senior Regulatory Affairs Specialist  
Telephone: (949) 598-1465

**Date of Summary Preparation**

June 06, 2001

2.0 **Device Identification**

Product Trade Name: Abbott Tumor Marker – MCC (Lyophilized)  
  
Common Name: Multi-Analyte Controls, (Assayed and unassayed)  
  
Classifications: Class I  
Product Code: 75JJY  
Regulation Number: CFR 862.1660

3.0 **Device to Which Substantial Equivalence is Claimed**

Abbott Tumor Marker – MCC (Lyophilized)  
Bio-Rad Laboratories  
Irvine, California

Docket Number: K990610

4.0 **Description of Device**

Abbott Tumor Marker – MCC (Lyophilized) is prepared from human serum with added constituents of human origin and pure chemicals.

The control is provided in lyophilized form for increased stability

## 5.0 Statement of Intended Use

Abbott Tumor Marker – MCC (Lyophilized) is intended for use as an assayed quality control serum to monitor the precision of laboratory testing procedures for analytes listed in this package insert.

## 6.0 Comparison of the new device with the Predicate Device

The new Abbott Tumor Marker – MCC (Lyophilized) claims substantial equivalence to the Abbott Tumor Marker – MCC (Lyophilized) currently in commercial distribution (K990610). The new Abbott Tumor Marker – MCC (Lyophilized) contains all the analytes as the predicate device plus B<sub>2</sub> Microglobulin and PAP. The new device has improved reconstituted freeze-thaw stability claims for PSA.

**Table 1.** Similarities and Differences between new and predicate device.

Characteristics	Abbott Tumor Marker – MCC (Lyophilized) (New Device)	Abbott Tumor Marker – MCC (Lyophilized) (Predicate Device)
<b>Similarities</b>		
<b>Intended Use</b>	Tumor Marker – MCC (Lyophilized) is intended for use as a quality control serum to monitor the precision of laboratory testing procedures for the analytes listed in the package insert.	Tumor Marker – MCC (Lyophilized) is intended for use as a quality control serum to monitor the precision of laboratory testing procedures for the analytes listed in the package insert.
<b>Form</b>	Lyophilized	Lyophilized
<b>Matrix</b>	Human serum based	Human serum based
<b>Open Vial Claim</b>	All analytes will be stable for 14 days when stored at 2 – 8°C tightly capped with the following exceptions: Free PSA and PSA should be assayed immediately following reconstitution.	All analytes will be stable for 14 days when stored at 2 – 8°C tightly capped with the following exceptions: Free PSA and PSA should be assayed immediately following reconstitution.
<b>Storage (Unopened)</b>	2°C to 8°C until expiration date	2°C to 8°C until expiration date

**Table 1.** Similarities and Differences between new and predicate device, continued.

<b>Differences</b>		
<b>Analytes Claimed</b>	All the same analytes as the current Abbott Tumor Marker – MCC (Lyophilized), plus B <sub>2</sub> Microglobulin and PAP.	AFP, CA 15-3, CA 19-9, CA 125, CEA, Free PSA, PSA.
<b>Reconstituted Freeze Vial Claim</b>	All analytes will be stable after reconstituting and freezing for 30 days when stored at –10°C to –20°C.	All analytes will be stable for 30 days after reconstituting and freezing when stored at –10°C to –20°C, with the following exceptions: (1) PSA will be stable for 20 days.

## 7.0 Summary of Performance Data

Stability studies have been performed to determine the open vial stability and shelf life for the Abbott Tumor Marker – MCC (Lyophilized). Product claims are as follows:

- 7.1 Once the control is reconstituted, all analytes will be stable for 14 days when stored tightly capped at 2 - 8°C, with the following exceptions: Free PSA and PSA should be assayed immediately following reconstitution.
- 7.2 After reconstituting and freezing the control, all analytes will be stable for 30 days when stored tightly capped at -10°C to -20°C. Once thawed, do not refreeze the control; discard remaining material.
- 7.3 The control is stable for 3 years and 3 months when stored unopened at 2 - 8°C.

Real time studies will be ongoing to support the shelf life of this product.

All supporting data is retained on file at Bio-Rad Laboratories.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
2098 Gaither Road  
Rockville MD 20850

JUL 17 2001

Ms. Donna Chapman  
Quality Assurance/Regulatory Affairs Manager  
Bio-Rad Laboratories  
9500 Jeronimo Road  
Irvine, CA 92618-2017

Re: 510(K) Number: K011853  
Trade/Device Name: Abbott Tumor Marker – MCC (Lyophilized)  
Regulation Number: 862.1160  
Regulatory Class: I  
Product Code: JJY  
Dated: June 6, 2001  
Received: June 13, 2001

Dear Ms. Chapman:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

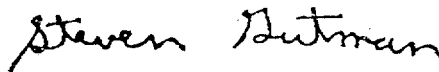
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

Page 2

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4588. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsma/dsmamain.html>".

Sincerely yours,

A handwritten signature in black ink that reads "Steven Gutman". The signature is written in a cursive, slightly slanted style.

Steven I. Gutman, M.D., M.B.A.  
Director  
Division of Clinical Laboratory Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health


Enclosure

510 (k) Number (if known): K011853

Device Name: **Abbott Tumor Marker - MCC (Lyophilized)**

Indications for Use:

**Abbott Tumor Marker – MCC (Lyophilized) is intended for use as an assayed quality control serum to monitor the precision of laboratory testing procedures for the analytes listed in the insert.**

  
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(Division Sign-Off)  
Division of Clinical Laboratory Devices  
510(k) Number K011853

(PLEASE DO NOT WRITE BELOW THE LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

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*Concurrence of CDRH, Office of Device Evaluation (ODE)*

Prescription use ✓ or Over-the Counter use \_\_\_\_\_